

IN THE SPECIFICATION

Please replace the paragraph beginning at page 2, line numbers 15, 16 and 17, with the following rewritten paragraph:

This figure shows a device 10b. On this figure the same elements labeled as 100a, 110a and 120a ~~of figure 1a are referenced 100b, 110b and 120b~~ are the same as those elements in figure 1a.

Please replace the paragraph beginning at page 2, line number 20, with the following rewritten paragraph:

Device 10b further comprises a flowmeter 130b capable of providing to means of calculation 132b a measurement of flow in duct ~~110b~~ 110a.

Please replace the paragraph beginning at page 2, line number 26, with the following rewritten paragraph:

This disposition makes it possible to adapt the pressure according to the flow measured in duct ~~110b~~ 110a, with this flow being linked to the respiratory activity of the patient.

Please replace the paragraph beginning at page 7, line numbers 6, 7, and 8 with the following rewritten paragraph:

This device includes (as the devices of the state of the art) a turbine ~~200~~ 100a, means ~~220~~ 120a allowing a patient to receive the pressurized gas coming from the turbine, and a duct ~~210~~ 110a for carrying said gas from the turbine ~~200~~ 100a to the means ~~220~~ 120a.

Please replace the paragraph beginning at page 7, line number 9, with the following rewritten paragraph:

Here again, the means ~~220~~ 120a can be a mask comprising leakage means, or include an expiratory valve.

Please replace the paragraph beginning at page 7, line numbers 16 and 18, with the following rewritten paragraph:

Means for regulating the pressure indeed include means of calculation ~~230—132b~~ capable of receiving from the turbine a value of a signal which is characteristic of the operation of said turbine, via a connection ~~231~~131b.

Please replace the paragraph beginning at page 7, line number 19, with the following rewritten paragraph:

Means of calculation ~~230—132b~~ include a microprocessor and are connected to a memory, in which different parameters are memorized.

Please replace the paragraph beginning at page 7, line number 26, with the following rewritten paragraph:

To provide the means of calculation ~~230—132b~~ with this measured speed, a speed sensor is integrated into the turbine. This speed sensor can be for example a Hall effect sensor.

Please replace the paragraph beginning at page 8, line number 1, with the following rewritten paragraph:

Means of calculation ~~230—132b~~ are also connected to a circuit 240 for regulating the rotation speed of the turbine.

Please replace the paragraph beginning at page 8, line number 5, with the following rewritten paragraph:

Via a first connection 241, it receives a pressure setting elaborated by the means of calculation ~~230~~132b,

Please replace the paragraph beginning at page 8, line number 7, with the following rewritten paragraph:

Via a second connection 242, it receives a pressure measured by a pressure sensor 250 on duct ~~210~~110a.

Please replace the paragraph beginning at page 8, line number 9, with the following rewritten paragraph:

As a function of these two inputs, the circuit 240 is capable of elaborating a rotation speed setting that is sends to turbine ~~200~~100a via a connection 243.

Please replace the paragraph beginning at page 8, line number 13, with the following rewritten paragraph:

This rotation speed setting is elaborated by the circuit 240 so that the pressure measured by sensor 250 reaches the value of the pressure setting received from the means of calculation ~~230~~132b.

Please replace the paragraph beginning at page 8, line number 17, with the following rewritten paragraph:

The device described above makes is possible to control the pressure of the respiratory gas carried by duct ~~210~~110a to the patient.

Please replace the paragraph beginning at page 8, line number 21, with the following rewritten paragraph:

More precisely, a first advantage of this control is to allow the establishment of a pressure with a desired value, corresponding to a value of the pressure setting that is received from means of calculation ~~230~~132b.

Please replace the paragraph beginning at page 8, line number 31, with the following rewritten paragraph:

And beyond this regulation of turbine rotation speed in order to maintain pressure at a given value, the invention makes it possible to detect in real time modifications in the respiratory behaviour of the patient, in order to trigger new inspiratory or respiratory cycles by having a modified pressure

setting sent to the regulation circuit 240 by means of calculation ~~230~~132b.

Please replace the paragraph beginning at page 8, line number 32, with the following rewritten paragraph:

To this effect, means of calculation ~~230~~132b use the measured speed received from the turbine.

Please replace the paragraph beginning at page 9, line numbers 16 and 17, with the following rewritten paragraph:

The inertia of the device which are likely to introduce delays in the elaboration of this pressure setting are mainly derived from:

- turbine ~~200~~100a
- duct ~~210~~110a

Please replace the paragraph beginning at page 9, line number 19, with the following rewritten paragraph:

The inertia associated to duct ~~210~~110a and to sensor 250 are classical pneumatic inertia, which are generally totally compatible with the maximum reaction timeframe mentioned above.